



PONY

Model
Exams

Math

February & March

Grade 4
Term 2





Exam 1

1 Choose the correct answer:

1 If $42 \div 7 = 6$, then $4,200 \div 7 = \dots\dots\dots$.

(6 or 60 or 600 or 6,000)

2 $3\frac{2}{5}$ (As an improper fraction) = $\dots\dots\dots$.

($\frac{32}{5}$ or $\frac{35}{5}$ or $\frac{30}{5}$ or $\frac{17}{5}$)

3 $5 - 2\frac{1}{4} = \dots\dots\dots$.

($7\frac{1}{4}$ or $3\frac{3}{4}$ or $3\frac{1}{4}$ or $2\frac{3}{4}$)

4 If $45 \div 5 = 9$, then the remainder is $\dots\dots\dots$.

(45 or 5 or 9 or 0)

5 $\frac{3}{4}$  $\frac{3}{7}$

(< or = or > or \geq)

6 The numerator is third the denominator in $\dots\dots\dots$.

($\frac{3}{1}$ or $\frac{2}{6}$ or $\frac{3}{4}$ or $\frac{3}{6}$)

7 $\dots\dots\dots = \frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

($\frac{12}{6}$ or $\frac{1}{2}$ or $\frac{2}{12}$ or $\frac{6}{4}$)

8 If $24 \div 6 = 4$, then the dividend is $\dots\dots\dots$.

(4 or 6 or 24 or 0)

9 Three-eighths = $\dots\dots\dots$.

($\frac{3}{8}$ or $\frac{8}{3}$ or $\frac{3}{5}$ or $\frac{5}{3}$)

10 $5\frac{3}{4}$ is called a/an $\dots\dots\dots$.

(proper fraction or improper fraction or mixed number or whole number)

11 $8 \times 5 + 2 = \dots\dots\dots$.

($40 + 2$ or 5×10 or 40×2 or $5 + 10$)

12 $\frac{14}{9}$ (As a mixed number) = $\dots\dots\dots$.

($1\frac{4}{9}$ or $4\frac{1}{9}$ or $1\frac{5}{9}$ or $5\frac{1}{9}$)

13 If $28 \div 3 = 9$ and the remainder is 1, then the divisor is $\dots\dots\dots$.

(9 or 3 or 28 or 1)



14 The additive identity element is (0 or 1 or $\frac{1}{2}$ or 2)

15 $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} =$
($5 \times \frac{1}{5}$ or $5 \times \frac{4}{5}$ or $4 \times \frac{1}{5}$ or $5 + \frac{1}{5}$)

2 Complete the following:

1 $\frac{7}{9} = \frac{70}{\dots\dots\dots}$

2 $3\frac{5}{5} = \dots\dots\dots$

3 $\frac{4}{5}$ is equivalent to $\frac{\dots\dots\dots}{10}$

4 $\frac{9}{7} > \frac{\dots\dots\dots}{11}$

5 $\frac{19}{6} = \dots\dots\dots$

(As a mixed number)

6 $4\frac{1}{2} = \dots\dots\dots$

(As an improper fraction)

7 $4\frac{2}{3} - 1\frac{1}{3} = \dots\dots\dots$

8 $450 \div 9 = \dots\dots\dots$

9 $\frac{2}{5} \times 3 = \dots\dots\dots$

10 $3 - \frac{3}{4} = \dots\dots\dots$

3 Answer the following:

1 Arrange the following in an ascending order:

$\frac{15}{4}$, 15 , $\frac{15}{5}$, $\frac{15}{8}$, $\frac{15}{6}$

The order : , , , ,

2 Ahmed had 69 pieces of sweets. He ate 9 of them, and distributed the remainder equally among 6 of his friends. Calculate the share of each of his friends.

.....
.....

- 3 Fayrouz saved 740 pounds in 5 months. She was saving the same amount every month. Calculate the money she saved in each month.
-
-

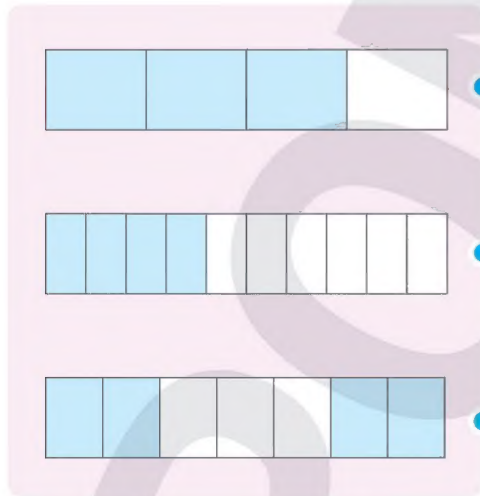
- 4 Mona had 9 problems in her homework. She finished $\frac{3}{9}$ of her homework before she came home, and $\frac{1}{9}$ after she got home.

What is the fraction representing the remaining part of her homework ?

.....

.....

4 Match:



• $\frac{4}{10}$

• $\frac{4}{7}$

• $\frac{3}{4}$



Exam 2

1 Choose the correct answer:

1 The number that if divided by 9, the quotient will be 11 and the remainder 3 is (23 or 99 or 102 or 23)

2 In the proper fraction, the numerator is the denominator.
(greater than or smaller than or greater than or equal to or smaller than or equal to)

3 The model representing the fraction $\frac{3}{4}$ is

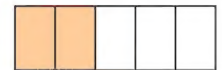


4 The problem representing the opposite rectangle area model is

5	500	150	20
	100	30	4

($670 \div 5$ or $625 \div 5$ or $134 \div 5$ or $252 \div 5$)

5 The fraction representing the shaded part is



($\frac{3}{5}$ or $\frac{2}{5}$ or $\frac{3}{2}$ or $\frac{2}{3}$)

6 $\frac{3}{8} + \frac{3}{8} =$

($\frac{6}{10}$ or $\frac{5}{10}$ or $\frac{3}{10}$ or $\frac{6}{8}$)

7 $\frac{3}{5} =$

($\frac{9}{15}$ or $\frac{5}{15}$ or $\frac{8}{10}$ or $\frac{2}{3}$)

8 $2\frac{5}{7}$  $2\frac{5}{8}$

($<$ or $=$ or $>$ or \leq)

9 If $5 \times 8 = 40$, then $4,000 \div 5 =$ (8,000 or 800 or 80 or 8)

10 The number line representing the fraction $\frac{3}{5}$ is



11 $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} = \dots\dots\dots$ (2 or 3 or $\frac{12}{16}$ or 12)

12 $4 + 3 \times 5 = \dots\dots\dots$ (7 x5 or 4 X 15 or 4 + 15 or 7 + 5)

13 The multiplicative identity element is $\dots\dots\dots$ (0 or 1 or $\frac{1}{2}$ or $\frac{2}{1}$)

14 Six $\dots\dots\dots = 1$ (halves or fourths or fifths or sixths)

15 $\dots\dots\dots \times 2 = 1$ ($\frac{2}{3}$ or $\frac{3}{2}$ or $\frac{2}{2}$ or $\frac{1}{2}$)

2 Complete the following:

1 $121 \div 6 = \dots\dots\dots$

2 $1\frac{5}{7} + 3\frac{2}{7} = \dots\dots\dots$

3 The fraction representing point (A) on the following number line is $\dots\dots\dots$



4 $\frac{7}{8} = \dots\dots\dots + \dots\dots\dots$

5 $\frac{1}{7} = \frac{11}{\dots\dots\dots}$

6 The number of ninths in the whole one is $\dots\dots\dots$

7 The closest fraction to $\frac{1}{2}$ (and not more than $\frac{1}{2}$) of ($\frac{5}{8}$ & $\frac{5}{12}$) is $\dots\dots\dots$

8 $\frac{3}{8} = \dots\dots\dots$ (As unit fractions)

9 $\frac{15}{8} = \dots\dots\dots$ (As a mixed number)

10 $\frac{2}{3}$ is equivalent to $\dots\dots\dots$ and $\dots\dots\dots$

3 Answer the following:

- 1** Arrange the following in an ascending order :

$$\frac{9}{11}, \frac{7}{1}, 1, \frac{1}{11}, \frac{5}{11}$$

The order :,,,,

- 2** Moustafa bought 8 apples, and he ate $3\frac{1}{3}$ apples.

What is the fraction representing the remaining part of apples?

.....

- 3** A factory produced 744 pieces of sweets equally in 3 days. Find the number of pieces that the factory produced in 1 day.

.....

(Use the strategy you prefer)

- 4** Each of Alaa and Karim has the same cake, Alaa ate $\frac{2}{7}$ of his cake and Karim ate $\frac{5}{7}$ of his cake. Who of them ate more than $\frac{1}{2}$ of his cake?

.....

4 Match:

1 $2\frac{3}{7}$ (As an improper fraction) •

2

--	--	--	--	--	--	--	--	--	--

 •

3 $3 + \frac{1}{4} + 5 + \frac{2}{4}$ •

4 $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$ •

• $\frac{4}{9}$

• $\frac{17}{7}$

• $\frac{5}{10}$

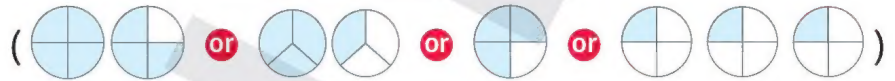
• $8\frac{3}{4}$

**Exam 3****1 Choose the correct answer:**

1 $2 \frac{1}{5} + 3 \frac{4}{5} = \dots\dots\dots$ ($5 \frac{5}{10}$ or $5 \frac{3}{5}$ or 6 or 5)

2 If $28 \div 4 = 7$, then $40 \times 70 = \dots\dots\dots$ (28,000 or 2,800 or 280 or 28)

3 The model representing the mixed number $1 \frac{3}{4}$ is $\dots\dots\dots$.



4 In the fraction $\frac{4}{2}$, the numerator = $\dots\dots\dots$ the denominator. (half or twice or fourth or third)

5 $\frac{4}{8} = \dots\dots\dots$ ($\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$ or $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$ or $\frac{4}{4} + \frac{4}{4}$ or $\frac{2}{4} + \frac{2}{4}$)

6 $6 \times 3 + 5 = \dots\dots\dots$ (48 or 45 or 23 or 21)

7 The quotient of $76 \div 6$ is $\dots\dots\dots$ (12 R 4 or 12 or 12 R 6 or 14 R 2)

8 $\frac{5}{6} = \dots\dots\dots$ ($\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$ or $\frac{1}{6} + \frac{2}{6} + \frac{3}{6} + \frac{4}{6} + \frac{5}{6}$ or $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ or $\frac{5}{6} + \frac{5}{6} + \frac{5}{6} + \frac{5}{6} + \frac{5}{6}$)

9 Which of the following is a unit fraction? $\dots\dots\dots$ ($\frac{4}{4}$ or $\frac{1}{7}$ or $\frac{3}{5}$ or $\frac{2}{8}$)

10 The smallest unit fraction of the following is $\dots\dots\dots$ ($\frac{1}{4}$ or $\frac{1}{3}$ or $\frac{1}{8}$ or $\frac{1}{7}$)



11 $\frac{5}{7} = \frac{1}{7} + \frac{1}{7} + \dots$

$(\frac{3}{7} \text{ or } \frac{4}{7} \text{ or } \frac{2}{7} \text{ or } \frac{1}{7})$

12 $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \dots$

$(4 \text{ or } \frac{3}{4} \text{ or } 1 \text{ or } \frac{1}{4})$

13 The number of unit fractions composing the fraction $\frac{5}{8}$ is

$(2 \text{ or } 3 \text{ or } 4 \text{ or } 5)$

14 The model representing the fraction $\frac{1}{3}$ is

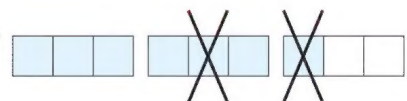
$(\text{Diagram 1} \text{ or } \text{Diagram 2} \text{ or } \text{Diagram 3} \text{ or } \text{Diagram 4})$

15 $\frac{1}{2} = \dots$

$(\frac{2}{5} \text{ or } \frac{3}{4} \text{ or } \frac{6}{12} \text{ or } \frac{1}{4})$

2 Complete the following:

1 The subtraction equation representing the opposite model is



2 $7 \times \frac{1}{6} = \dots$

3 $\frac{32}{5} = \dots$

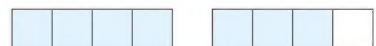
(As a mixed number)

4 The number of unit fractions in $\frac{7}{11}$ is and the unit fraction is

5 $\frac{12}{16} = \frac{\dots}{16} = \frac{3}{8}$

6 $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \dots$

7 The mixed number representing the opposite model is, and the improper fraction is



8 $3 + 1 + \frac{7}{9} + \frac{2}{9} = \dots = \dots$

9 $5 - 3\frac{1}{4} = \dots$

10 A cake is divided into 6 equal pieces, then the unit fraction of each piece is

3 Answer the following:

1 Follow the order of operations to find the result:

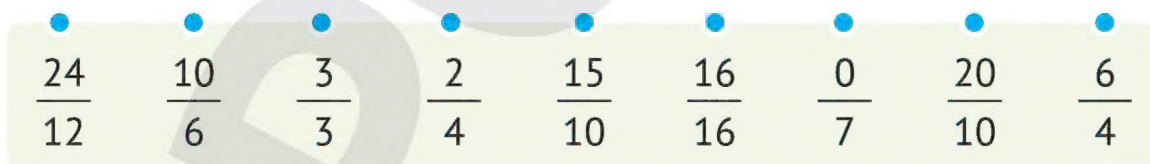
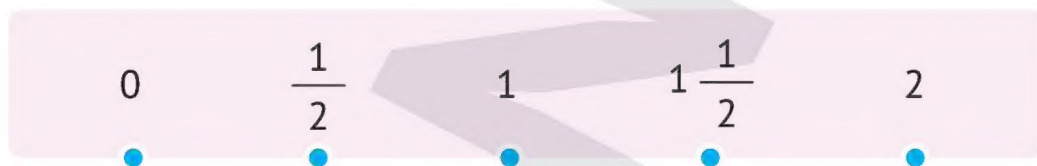
$$40 \div 8 + 5 \times 10 - 15 \div 3 = \dots\dots\dots$$

2 If $3 \times 4 = 12$, then $1,200 \div 3 = \dots\dots\dots$.

3 $\dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots = 5 \times \frac{2}{3}$

4 $\frac{5}{7} + \dots\dots\dots = 1 \frac{1}{7}$

4 Match each fraction to its equivalent benchmark fraction:



**Exam 4****1 Choose the correct answer:**

1 $\frac{3}{4} = \dots\dots\dots$

$(\frac{3}{4} + \frac{3}{4} + \frac{3}{4} \text{ or } \frac{1}{4} + \frac{1}{4} + \frac{1}{4} \text{ or } \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} \text{ or } \frac{1}{4} + \frac{2}{4} + \frac{3}{4})$

2 $\frac{7}{4}$ is called a/an

(unit fraction or mixed number or improper fraction or proper fraction)

3 $3\frac{2}{5} = \dots\dots\dots$

$(\frac{8}{5} \text{ or } \frac{17}{5} \text{ or } \frac{20}{5} \text{ or } \frac{32}{5})$

4 $\frac{7}{5} = \dots\dots\dots$

$(\frac{1}{7} \text{ or } \frac{5}{7} \text{ or } 7\frac{1}{7} \text{ or } 1\frac{2}{5})$

5 $\frac{1}{3} + \frac{1}{3} = 1 - \dots\dots\dots$

$(\frac{2}{3} \text{ or } \frac{4}{3} \text{ or } \frac{1}{3} \text{ or } 1\frac{2}{3})$

6 $2 - \frac{3}{4} = \dots\dots\dots$

$(\frac{4}{3} \text{ or } 1\frac{1}{4} \text{ or } 2\frac{1}{3} \text{ or } \frac{4}{3})$

7 $5 - 3\frac{1}{3} = \dots\dots\dots$

$(3\frac{1}{4} \text{ or } 1\frac{2}{3} \text{ or } 2\frac{1}{3} \text{ or } 2\frac{2}{3})$

8 $7\frac{3}{5} - 2\frac{1}{5} = \dots\dots\dots$

$(5\frac{4}{5} \text{ or } \frac{27}{5} \text{ or } 9\frac{2}{5} \text{ or } 3\frac{4}{5})$

9 $1 + \frac{3}{7} + \frac{4}{7} = \dots\dots\dots$

$(7 \text{ or } \frac{8}{14} \text{ or } 2 \text{ or } \frac{8}{7})$

10 $\frac{1}{4} + \frac{5}{8} + 4 + \frac{3}{8} = \dots\dots\dots$

$(5 \text{ or } 4\frac{9}{20} \text{ or } 5\frac{1}{4} \text{ or } 4\frac{5}{8})$

11 The fraction $\frac{3}{8}$ is closest to

$(3 \text{ or } \frac{1}{2} \text{ or } 1 \text{ or } 0)$

12 $\frac{19}{3} = \dots\dots\dots$

$(1\frac{9}{3} \text{ or } 5\frac{2}{3} \text{ or } 6\frac{1}{3} \text{ or } 3\frac{2}{5})$

13 If $\frac{a}{8} = \frac{1}{4}$, then (a) =

$(\frac{1}{4} \text{ or } 2 \text{ or } 1 \text{ or } 4)$

14 If $\frac{1}{3} < \frac{1}{w}$, then (w) =

$(0 \text{ or } 4 \text{ or } \frac{3}{4} \text{ or } 1\frac{3}{4})$

15 $\frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \dots\dots\dots$

$(1\frac{1}{4} \text{ or } 2\frac{1}{3} \text{ or } 1\frac{1}{6} \text{ or } 1)$

**2 Complete the following:**

1 $\div 5 = 121$

2 $\frac{28}{9} = \frac{\dots\dots\dots}{\dots\dots\dots}$

3 The equation representing the opposite rectangle are model is

4

400	40	8
-----	----	---

4 Write two equations to decompose the fraction $\frac{7}{10}$: (..... and).

5 $\frac{15}{9} = \frac{\dots\dots\dots}{3}$

6 $\frac{1}{2} = \frac{2}{\dots\dots\dots} = \frac{5}{\dots\dots\dots} = \frac{\dots\dots\dots}{16}$

7 $1,348 \div 5 = \dots\dots\dots$ and the remainder is

8 $7\frac{1}{2} \times \dots\dots\dots = \frac{15}{2}$

9 The number of unit fractions composing the fraction seven-eighths is

10 The number that if divided by 7, the quotient is 7 and the remainder 5 is

3 Answer the following:

1 $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} = \dots\dots\dots$

2 Hoda has 424 pounds. She wants to divide them among 8 persons. What is the share of each of them?

.....
.....



- 3 The equation representing the opposite model is

3	900	180	18
	300	60	6

- 4 Arrange the following fractions in a descending order:

$$\frac{3}{4}, \frac{3}{2}, \frac{3}{8}, \frac{3}{5}$$

The order :,,,

4 Match:

1 $1\frac{1}{5} + 2\frac{3}{5}$ •

• 4

2 $8 \times 3 \div 6$ •

• 1

3 $\frac{5}{8} + \frac{3}{8}$ •

• $3\frac{4}{5}$



Exam 5

1 Choose the correct answer:

1 $5\frac{3}{8}$ is called a/an

(proper fraction or improper fraction or mixed number or unit fraction)

2 $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \dots\dots\dots$

(0 or $\frac{3}{9}$ or 1 or $\frac{1}{3}$)

3 The number of unit fractions composing five-sixths is

(2 or 3 or 5 or 6)

4 $\frac{21}{4} = \dots\dots\dots$

($5\frac{1}{4}$ or $4\frac{1}{5}$ or $4\frac{1}{4}$ or $5\frac{1}{3}$)

5 $\frac{5}{8}$ 1

(< or = or > or \geq)6 The equivalent fraction to $\frac{1}{2}$ is ($\frac{1}{4}$ or $\frac{4}{8}$ or $1\frac{4}{8}$ or $1\frac{5}{8}$)

7 $\frac{12}{18} = \frac{4}{\dots\dots\dots}$

(6 or 5 or 4 or 3)

8 $\frac{4}{8} + \frac{3}{8} + \frac{5}{8} = \dots\dots\dots$

($1\frac{8}{3}$ or $\frac{10}{8}$ or $1\frac{4}{8}$ or $1\frac{5}{8}$)9 Mohamed had a pizza, he ate $\frac{3}{7}$ of it for breakfast. The remaining part of the pizza is($\frac{1}{7}$ or 1 or $\frac{4}{7}$ or $\frac{3}{7}$)

10 $\frac{1}{4} = \dots\dots\dots$

($\frac{3}{6}$ or $\frac{1}{8}$ or $\frac{2}{8}$ or $\frac{1}{2}$)

11 $95 \div 5 = \dots\dots\dots$

(17 or 18 or 19 or 20)

12 The related fact to solve the problem $2,700 \div 9 = 300$ is.....($9 \times 2 = 18$ or $27 \div 9 = 3$ or $3 \times 3 = 9$ or $9 \div 3 = 3$)13 The equivalent fraction to $\frac{3}{5}$ is ($\frac{4}{9}$ or $\frac{3}{8}$ or $\frac{6}{5}$ or $\frac{6}{10}$)14 The quotient of $39 \div 3$ is

(3 or 11 or 13 or 39)

15 Marwa bought 9 books for 720 pounds, the price of each book =

(4 or 80 or 6 or 90)

**2 Complete the following:**

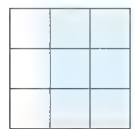
1 The multiplicative identity element - $\frac{2}{5} = \dots\dots\dots$.

2 $\frac{9}{10} = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$.

3 The side length of a square is $3\frac{1}{4}$ cm, then the perimeter of the square is $\dots\dots\dots$.

4 $6 \times 12 \div 8 + 5 = \dots\dots\dots$.

5 The fraction representing the opposite model is $\dots\dots\dots$.



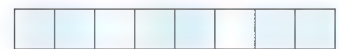
6 If $\frac{1}{6} = \frac{a}{24}$, then (a) = $\dots\dots\dots$.

7 $2,070 \div 9 = \dots\dots\dots$.

8 $\frac{17}{4} = \dots\dots\dots$.

(As a mixed number)

9 The fraction representing the opposite model is $\dots\dots\dots$.



10 $\frac{7}{9} \times \dots\dots\dots = \frac{49}{63}$

3 Answer the following:

1 The equation representing the opposite figure is $\dots\dots\dots$.

$$\begin{array}{r}
 29 \\
 3 \overline{) 87} \\
 \underline{-60} \\
 27 \\
 \underline{-27} \\
 00
 \end{array}$$

- 2 A teacher has 4 boxes of pencils. Each box contains 6 pencils. He wants to distribute them among 3 students. What is the share of each student?
- $\dots\dots\dots$
- $\dots\dots\dots$

- 3 Salma drinks $\frac{3}{4}$ of a juice can every day.

What is the amount of juice that she drinks in 8 days?

.....

.....

4 $1 = \frac{5}{\dots\dots\dots} = \frac{\dots\dots\dots}{7}$

- 5 There are 56 students in the class. $\frac{1}{7}$ of the students are girls.

What is the number of girls in the class?


.....

.....

4 Put (< , = or >):

1 $\frac{3}{4}$  $\frac{3}{7}$

2 $2\frac{5}{8}$  $2\frac{5}{7}$

3 $\frac{4}{9} + \frac{5}{9}$  1

4 $3 \times \frac{1}{5}$  $\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

5 $270 \div 9$  $4,500 \div 9$

6 20  $5 \times 3 + 4$

**Exam 6****1 Choose the correct answer:**

1 $90 \div 10 + 9 \div 3 = \dots\dots\dots$. (18 or 9 or 12 or 6)

2 The number of unit fractions composing three-fourths is $\dots\dots\dots$.
($\frac{4}{4}$ or 4 or 3 or $\frac{1}{4}$)

3 $1\frac{6}{8}$ $\dots\dots\dots$ $1\frac{4}{8}$
(< or = or > or \geq)

4 $16 \div \dots\dots\dots = 4$ (2 or 8 or 4 or 3)

5 $\frac{6}{7} \times \dots\dots\dots = \frac{6}{7}$ (0 or 1 or $\frac{1}{2}$ or 7)

6 The number of sixths in the whole one is $\dots\dots\dots$. (3 or 4 or 6 or 5)

7 The numerator is 3 and the denominator is 5 in the fraction $\dots\dots\dots$.
($2\frac{1}{5}$ or $1\frac{2}{5}$ or $\frac{3}{5}$ or $\frac{5}{3}$)


8 $\frac{1}{4} + \frac{1}{4} = \dots\dots\dots$. (1 or $\frac{3}{4}$ or $\frac{1}{2}$ or $\frac{1}{4}$)

9 $4\frac{2}{5} = \dots\dots\dots$. (As an improper fraction)
($\frac{18}{5}$ or $\frac{22}{5}$ or $\frac{11}{5}$ or $\frac{23}{5}$)

10 $3 + \dots\dots\dots = 3\frac{1}{2}$ (1 or 3 or $\frac{1}{2}$ or 0)

11 $4 \times \frac{1}{5} = \dots\dots\dots$. ($1\frac{1}{4}$ or $\frac{4}{5}$ or $\frac{5}{4}$ or $5\frac{1}{4}$)

12 The value of (a) in the equation: $\frac{a}{35} = \frac{2}{7}$ is $\dots\dots\dots$.
(10 or 5 or 3 or 7)

13 The fraction representing the model  is $\dots\dots\dots$.

($\frac{1}{4}$ or $\frac{1}{3}$ or $\frac{1}{2}$ or $\frac{4}{1}$)
($\frac{21}{8}$ or $\frac{8}{12}$ or $\frac{17}{8}$ or $\frac{12}{8}$)

14 $2\frac{1}{8} = \dots\dots\dots$.

**2 Complete the following:**

- 1 $58 \div 5 = \dots\dots\dots$ and the remainder is $\dots\dots\dots$.
- 2 $\frac{3}{4} \times \frac{5}{5} = \dots\dots\dots$.
- 3 Mahmoud bought 3 m of wood, he used $\frac{3}{4}$ m to make a chair. Then the remainder of the wood is $\dots\dots\dots$.
- 4 $\frac{1}{13} + \frac{1}{13} + \frac{1}{13} = \dots\dots\dots$.
- 5 $26 \times 15 = \dots\dots\dots$.
- 6 $\frac{3}{12} = \frac{1}{\dots\dots\dots}$
- 7 $378,920 - 276,852 = \dots\dots\dots$.
- 8 $4,078 + 3,502 = \dots\dots\dots$.
- 9 $\frac{7}{15}$ is closest to the benchmark fraction $\dots\dots\dots$.
- 10 $5 - \frac{3}{5} = \dots\dots\dots$.

3 Answer the following:

- 1 Write 3 equivalent fractions to $\frac{1}{5}$: ($\frac{1}{5} = \dots\dots\dots = \dots\dots\dots = \dots\dots\dots$)

- 2 If a recipe requires $\frac{3}{4}$ kg of flour,

how much flour is needed to double this recipe?

Addition equation : $\dots\dots\dots$

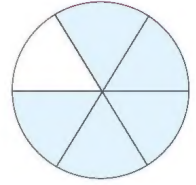
Multiplication equation : $\dots\dots\dots$

- 3 Write 4 equivalent fractions to $\frac{2}{3}$: ($\frac{2}{3} = \dots\dots\dots = \dots\dots\dots = \dots\dots\dots = \dots\dots\dots$)



4 Draw a bar model to represent $(\frac{1}{6} + \frac{1}{6} + \frac{1}{6})$:

5 Write the fraction representing the shaded part in 2 ways.



First way :

Second way :

4 Put ($<$, $=$ or $>$) :

1 $2\frac{1}{4}$  $4\frac{1}{2}$

2 $\frac{5}{8}$  $\frac{5}{2}$

3 1  $\frac{5}{9}$

4 3  $\frac{15}{5}$

5 $\frac{5}{5} \times \frac{3}{9}$  $\frac{6}{6} \times \frac{3}{9}$

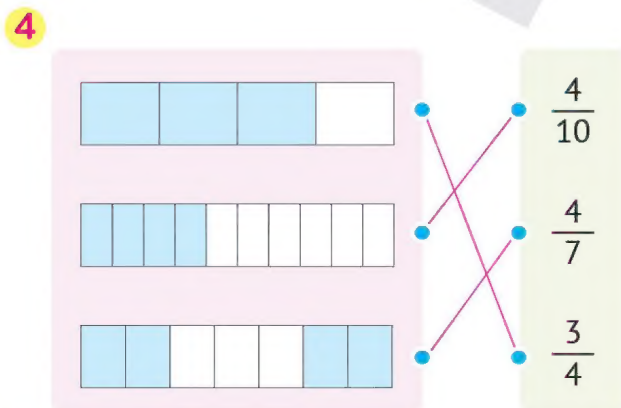
6 $\frac{4}{7}$  $\frac{3}{5}$

7 $\frac{26}{7}$  $2\frac{6}{7}$

Guide Answers

Exam 1

- 1 1 600 2 $\frac{17}{5}$
 3 $2\frac{3}{4}$ 4 0
 5 $>$ 6 $\frac{2}{6}$
 7 $\frac{6}{4}$ 8 24
 9 $\frac{3}{8}$ 10 mixed number
 11 $40 + 2$ 12 $1\frac{5}{9}$
 13 3 14 0
 15 $4 \times \frac{1}{5}$
 2 1 $\frac{70}{90}$ 2 $\frac{20}{5} = 4$
 3 $\frac{8}{10}$ 4 9
 5 $3\frac{1}{6}$ 6 $\frac{9}{2}$
 7 $3\frac{1}{3}$ 8 50
 9 $\frac{6}{5}$ 10 $2\frac{1}{4}$
 3 1 $\frac{15}{8}, \frac{15}{6}, \frac{15}{5}, \frac{15}{4}, 15$
 2 $69 - 9 = 60$
 $60 \div 6 = 10$
 3 $740 \div 5 = 148$ 4 $\frac{5}{9}$



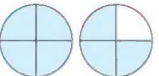

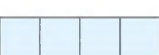

Exam 2

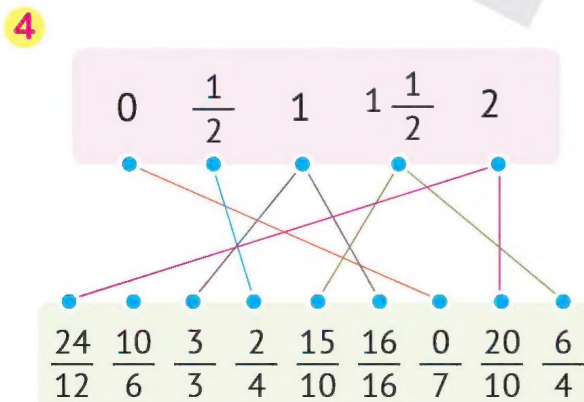
- 1 1 102 2 smaller than
 3 4 $670 \div 5$ 5 $\frac{2}{5}$
 6 $\frac{6}{8}$ 7 $\frac{9}{15}$ 8 $>$
 9 800 10
 11 3 12 $4 + 15$
 13 1 14 sixths
 15 $\frac{1}{2}$
 2 1 20 R 1 2 $4\frac{7}{7} = 5$ 3 $\frac{3}{5}$
 4 $\frac{2}{8} + \frac{5}{8}$ or $\frac{6}{8} + \frac{1}{8}$ or $\frac{4}{8} + \frac{3}{8}$
 5 $\frac{11}{77}$ 6 9
 7 $\frac{5}{12}$ 8 $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
 9 $1\frac{7}{8}$ 10 $\frac{4}{6}$ and $\frac{6}{9}$
 3 1 $\frac{1}{11}, \frac{5}{11}, \frac{7}{11}, \frac{9}{11}, 1$
 2 $8 - 3\frac{1}{3} = 4\frac{2}{3}$
 3 $744 \div 3 = 248$
 4 Karim ate more than Alaa: $\frac{2}{7} < \frac{5}{7}$

- 4
 1 $2\frac{3}{7}$ (As an improper fraction) $\frac{4}{9}$
 2 $\frac{17}{7}$
 3 $3 + \frac{1}{4} + 5 + \frac{2}{4}$ $\frac{5}{10}$
 4 $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$ $8\frac{3}{4}$



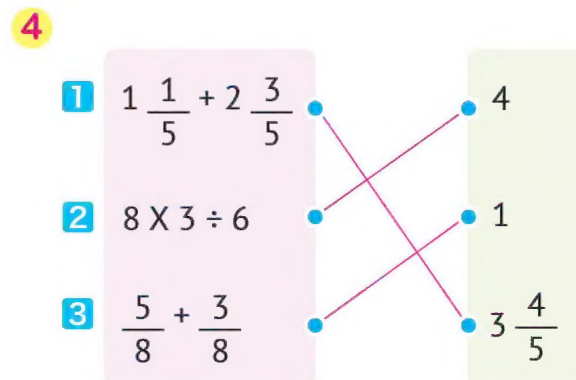
Exam 3

- 1 1 6 2 2,800
- 3  4 twice
- 5 $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
- 6 23 7 12 R 4
- 8 $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$
- 9 $\frac{1}{7}$ 10 $\frac{1}{8}$ 11 $\frac{3}{7}$
- 12 1 13 5
- 14  15 $\frac{6}{12}$
- 2 1 $2\frac{1}{3} - 1\frac{1}{3} = 1$
- 2 $\frac{7}{6} = 1\frac{1}{6}$ 3 $6\frac{2}{5}$
- 4 $7\frac{1}{11}$ 5 $\frac{12}{32} = \frac{6}{16}$ 6 $\frac{3}{8}$
- 7 $1\frac{3}{4}$   $\frac{7}{4}$
- 8 $4\frac{9}{9} = 5$
- 9 $4\frac{4}{4} 5 - 3\frac{1}{4} = 1\frac{3}{4}$ 10 $\frac{1}{6}$
- 3 1 50 2 400
- 3 $\frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3}$ 4 $\frac{3}{7}$



Exam 4

- 1 1 $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ 2 improper fraction
- 3 $\frac{17}{5}$ 4 $1\frac{2}{5}$ 5 $\frac{1}{3}$
- 6 $1\frac{1}{4}$ 7 $1\frac{2}{3}$ 8 $\frac{27}{5}$
- 9 2 10 $5\frac{1}{4}$ 11 $\frac{1}{2}$
- 12 $6\frac{1}{3}$ 13 2 14 2
- 15 1
- 2 1 605 2 $3\frac{1}{9}$
- 3 $448 \div 4 = 112$
- 4 $\frac{3}{10} + \frac{4}{10}$ and $\frac{4}{10} + \frac{2}{10} + \frac{1}{10}$
- 5 $\frac{5}{3}$ 6 $\frac{1}{2} = \frac{2}{4} = \frac{5}{10} = \frac{8}{16}$
- 7 269 R 3 8 1
- 9 7 10 54
- 3 1 $\frac{9}{4}$ 2 $424 \div 8 = 53$
- 3 $1.098 \div 3 = 366$
- 4 $\frac{3}{2}, \frac{3}{4}, \frac{3}{5}, \frac{3}{8}$



Exam 5

1 mixed number

- | | |
|--------------------|-------------------|
| 2 1 | 3 5 |
| 4 $5\frac{1}{4}$ | 5 < |
| 6 $\frac{4}{8}$ | 7 6 |
| 8 $1\frac{4}{8}$ | 9 $\frac{4}{7}$ |
| 10 $\frac{2}{8}$ | 11 19 |
| 12 $27 \div 9 = 3$ | 13 $\frac{6}{10}$ |
| 14 13 | 15 80 |

2 1 $1 - \frac{2}{5} = \frac{3}{5}$

- | | |
|---|------------------|
| 2 $\frac{1}{10} + \frac{3}{10} + \frac{5}{0}$ | 4 14 |
| 3 13 | 6 4 |
| 5 $\frac{6}{9}$ | 8 $4\frac{1}{4}$ |
| 7 230 | 10 $\frac{7}{7}$ |
| 9 $\frac{6}{8}$ | |

3 1 $87 \div 3 = 29$

- | |
|--|
| 2 $4 \times 6 = 24$
$24 \div 3 = 8$ |
| 3 $8 \times \frac{3}{4} = 6$ |
| 4 $1 = \frac{5}{5} = \frac{7}{7}$ |
| 5 $56 \times \frac{1}{7} = 8$ |

- | | |
|-------|-----|
| 4 1 > | 2 < |
| 3 = | 4 = |
| 5 < | 6 > |

Exam 6

- | | | |
|------------------|------------------|------------------|
| 1 12 | 2 3 | 3 > |
| 4 4 | 5 1 | 6 6 |
| 7 $\frac{3}{5}$ | 8 $\frac{1}{2}$ | 9 $\frac{22}{5}$ |
| 10 $\frac{1}{2}$ | 11 $\frac{4}{5}$ | 12 10 |

- | | |
|------------------|---------------------------------|
| 13 $\frac{1}{3}$ | 14 $\frac{17}{8}$ |
| 2 1 11 R 3 | 2 $\frac{15}{20} + \frac{3}{4}$ |

3 $3 - \frac{3}{4} = 2\frac{1}{4}$

- | | |
|------------------|-----------------|
| 4 $\frac{3}{13}$ | 5 390 |
| 6 $\frac{1}{4}$ | 7 102,068 |
| 8 7,580 | 9 $\frac{1}{2}$ |

10 $4\frac{2}{5}$

3 1 $\frac{4}{20} = \frac{3}{15} = \frac{2}{10} = \frac{1}{5}$

2 $\frac{3}{4} + \frac{3}{4} = \frac{6}{4}$
 $\frac{3}{4} \times 2 = \frac{6}{4}$

3 $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12} = \frac{10}{15}$

4

--	--	--	--	--	--

5 First way: $\frac{1}{6} + \frac{2}{6} + \frac{2}{6}$

Second way: $\frac{3}{6} + \frac{2}{6}$

- | | | |
|-------|-----|-----|
| 4 1 < | 2 < | 3 > |
| 4 = | 5 = | 6 < |
| 7 > | | |